



SOCIETY OF ECONOMIC GEOLOGISTS, INC.

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Student Chapter Annual Report Cover Page

Submission Deadline: September 30th

Submit to: studentprograms@segweb.org

Month/Year Reported: From 09/2021 (mm/yyyy) – To 11/2022 (mm/yyyy)

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STUDENT CHAPTER:

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Facebook: https://www.facebook.com/SEG-Student-Chapter-UFC-281399562270624

Twitter: _____

Instagram: https://www.instagram.com/seg_ufc/

LinkedIn: https://br.linkedin.com/in/ufcsegsc

YouTube: _____

Chapter Executive Committee (*in office during the time frame captured on this report*) (*type "Vacant" if position not filled*):

The new committee is reported on the Student Chapter Membership Information form (SCMIF).

President:	<u>Breno Ravielly dos Santos</u>	<u>breno.ravielly@hotmail.com</u>
	Name	E-mail
VicePresident:	<u>Chrissandro Marques de Almeida</u>	<u>chris.m.almeida@outlook.com</u>
	Name	E-mail
Secretary:	<u>Daniel Chaves Almeida</u>	<u>daniel.almeida.geo@gmail.com</u>
	Name	E-mail
Treasurer:	<u>Josefa Deidyane Alves Pinheiro</u>	<u>deidyane.alves@gmail.com</u>
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Chapter Academic Sponsor:

Sérgio Bacelar Huhn Check if SEG Fellowship in good standing
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Chapter Industry Sponsor (*not affiliated with the student chapter's institution*): Check if SEG Fellowship in good standing

Name E-mail Phone

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Sponsoring Institution or Company(name): _____



SEG Student Chapter

ANNUAL REPORT

Universidade Federal do Ceará

Fortaleza – CE, Brazil

06/02/2023

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1 INTRODUCTION

1.1 History

The UFC SEG Student Chapter was officially founded in April of 2016 and since then has been supporting its members and community in activities related to Economic Geology. The Student Chapter is currently composed of 24 members, of which 22 are undergraduate students and 2 MSc students. Among our members, 4 of them are affiliated with the Society of Economic Geologists

1.2 Committee and Members

The executive committee in the period of October/2021 to November/2022 was composed by:

- President: Breno Ravielly dos Santos*
- Vice-president: Chrissandro Marques de Almeida*
- Secretary: Daniel Chaves Almeida*
- Treasurer: Josefa Deidyane Alves Pinheiro*

Others Student Chapter Members:

- Maria Eduarda Zilio Didone
- Francisco Wesley da Silva de Nojosa
- Débora Élida Silva Andrade
- Alessandra Araujo de Oliveira
- Carlos Eduardo Maciel Cruz
- Luana Albuquerque do Nascimento
- Juan Alefe Oliveira Sousa
- Davi Henrick Veras Diogenes
- Jordan Victor de Oliveira Freire
- Rafael Nascimento Paula
- Isac Brito Barreto
- Israel Salles Nogueira

- Francisco Vitor Moreira Lopes
- Miguel Angelo Araujo Matos da Silva
- Suliane Chagas de Oliveira
- Larissa Lima Costa
- Ana Kelly Coelho Oliveira
- Finelon Alves Carolino Arrais
- Mateus Pinto Araújo
- Rafaelly Rodrigues Barbosa

*SEG student members

1.3 Achievements

This year we had the recapture of normality after the COVID-19 pandemic, with the return of classes in person, in 16 of march. The return of the chapter in person was challenging, because some members left and the chapter was made up predominantly of new members, which made it difficult to continue activities.

We achieved a active social media presence on our Facebook and Instagram with weekly posts to promote economic geology to students and also the general public interested in geology and curiosities. However, some activities we were unable to accomplish, such as the field trip, and the annual economic geology event. There are still areas we need to improve on.

2 ACTIVITIES

2.1 Regular Meetings

Our meetings continued to be held online, being held in the Google Meet platform, due to the ease of organizing the agenda and without the geographic restriction. The discussions were related to events, lectures, fund raisings, field trip organizations, and other activities.

2.2 Lectures and Courses

Our chapter assisted as a support team of the 27th (XXVII) UFC Geology Week. The event was in- person and took place from May 30th to June 3rd, 2022. The program included lectures, round tables, and chats aimed at the most diverse fields of geology.

Our chapter contributed with a panel discussion, focused on Economic Geology, about Itataia's deposit of Uranium and Phosphate – Impacts and prospects (Figura 1.a). With the presence of Danilo Forte (congressman-CE), Dr. Hélio Monteiro (PPGS/UFC), Tomás Pessoa Filho (Lawyer – Ex. ANM Director.) with the mediation of our professor, Dra. Lucilene dos Santos (UFC/DEGEO).

At the same event and day we had an informal chat, between the guests and the audience, about geology and the fieldwork (Figura 1.b). We talk about their experiences on field, expectations on the job market in the field of geology and geosciences. Had the mediation of the SEG member Chrissandro Marques, and the geologist guests Augusto Nunes, Kleison Mota and Alex Garces all of them, former UFC graduation students. Sharing thoughts, personal experiences and good moments lived on fieldwork, since graduation.



Figura 1-Flyer inviting of panel discussion. (A) About deposit Itataia. (B) Fieldwork.

Also during of the 27th (XXVII) UFC Geology Week, we participate in the organization and execution of the minicourse “Optical Mineralogy Concepts” (Figura 2), It had a workload of 4 hours with 16 places and occurred on July 2, 2021. It consisted of a theoretical part (2 o'clock), in which participants saw the general concepts of optical mineralogy and a practical part (2 hours), using microscopes, where they could examine thin section.



Figura 2- (A) Flyer inviting to course Optical Mineralogy Concepts (B) class photo.

During the second half of the year, we promoted a lecture about a recent discovery gold deposit with the title: "Oko West Deposit. One of the greatest gold discoveries in the Guianas's Shield" (Figura 3). Occurred in our department in September 26. The lecture was given by Jorge Tachibana, geologist from Reunion Gold.



Figura 3- (A) Flyer inviting lectures. (B) Panelist Geol. Jorge Tachibana.

2.3 Chapter Social Media

To strengthen the relationship with the geological community and facilitate the exchange of information and knowledge with society outside academia, our group created an Instagram account managed by two subcommittees: marketing and content (Figura 4 4).

Our social media posts include a variety of formats such as videos, images and explanatory text about economic geology and other geological wonders. Our aim is to attract more members to our study group and Student Chapter by highlighting our activities and the benefits of membership.

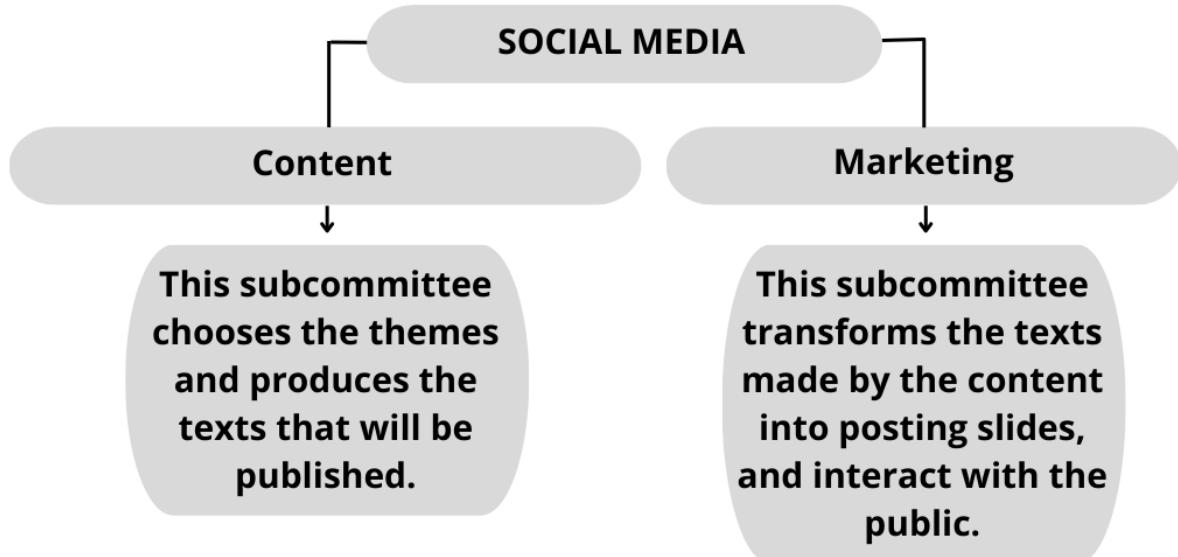


Figura 4- Structure of the Social Media Sector of SEG-UFC: Subcommittees and attribution

Subcommittee members have established a posting schedule, which includes two posts per week. The first post of the week takes place every Sunday and focuses on geodiversity issues. The second post of the week includes images with explanatory texts on various subjects of economic geology, including the importance of specific concepts and the geodiversity of sites in Brazil. In addition, we honor important commemorative dates according to their respective days in the national calendar. There was also an announcement of events during the geology week and a lecture on the discovery of a gold deposit (figura 5).



Figura 5- A) Instagram feed showing our publications. B) Post invitation to participate in the lecture whose theme was "Deposito Oko West, One of the Greatest Discoveries of Gold in the Guiana Shield". C) Invitation to participate in the LeapFrog Geo software minicourse.

This commission plays a crucial role in bringing students, professionals and the entire academic community closer to the vast world of economic geology. Social media posts provide unique interaction through comments and direct messages. It is also crucial to emphasize the importance of science communication at a time when education is the key to society's development.

2.4 Assossiates Student Program – SEG UFC/Sequent

Through the partnership of the Student Chapter of UFC and the company Sequent, through the program called “Sequent Students Associates Program”, a mini-course was aimed for members of SEG and students and teachers, around July 2022. Two students of the Student

Chapter were selected to represent the UFC in the program, Daniel Chaves Almeida and Juan Álefe Oliveira, they attended courses and training using the Leapfrog software (Figura 6).

The training consisted from basic to intermediate, plus an extra using the software's Edge extension. At the end of the program the selected students were responsible for transmitting the learned knowledge and techniques to SEG members as well as university professors and students, through a mini-course that was taught

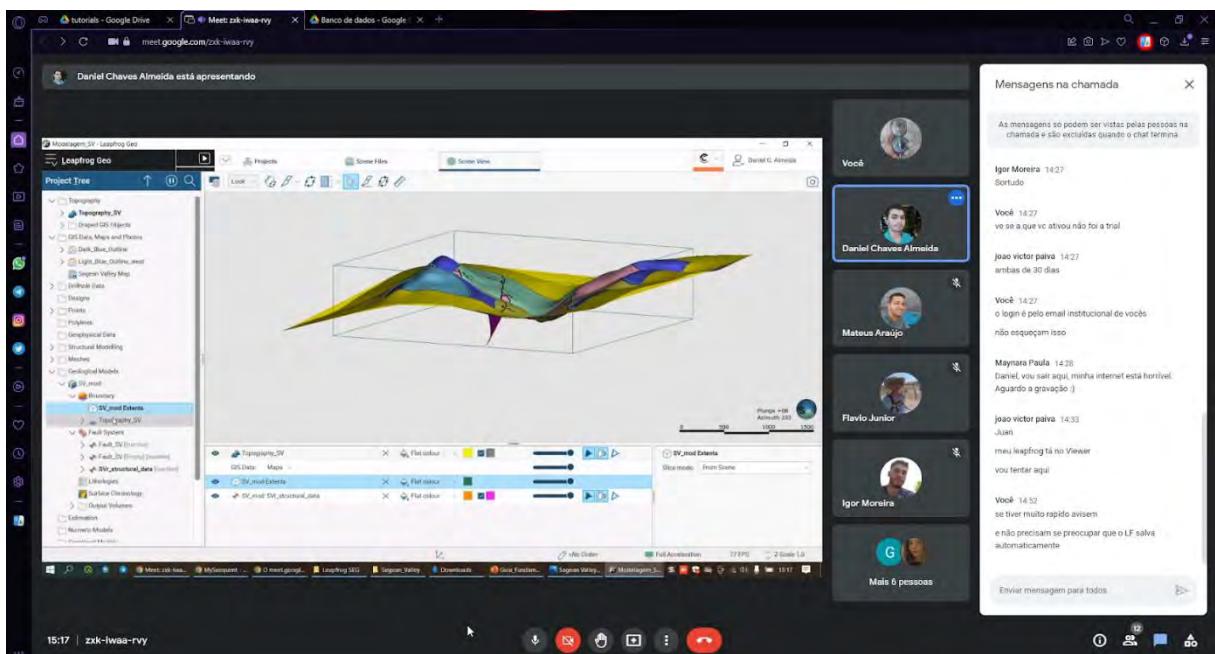


Figura 6- Leapfrog Geo Training

2.5 Encontro Nacional de Geologia Econômica - ENAGE

Following the annual activities of the student chapter and taking advantage of an opportunity to disseminate knowledge related to economic geology, we, as a student chapter, participated in the III ENAGE - National Meeting of Economic Geology.

The third National Meeting of Economic Geology (III ENAGE) is an event organized by students, members of Brazilian student chapters associated with the Society of Economic Geologists (SEG), in partnership with ADIMB (Agência de Desenvolvimento Tecnológico da Indústria Mineral Brasileira). Linked to SIMEXMIN, the event takes place in the city of Ouro Preto (MG) and seeks to promote knowledge in economic geology, promoting interaction between professionals from industry and academia.

With the expansion of geology courses across the country and the lack of specialized national communication vehicles, many works produced within universities and mineral

exploration projects are restricted to local communities. Furthermore, the period The low level of activity experienced by the mining industry makes undergraduate and graduate students and newly graduated professionals discourage them from seeking opportunities and innovation in the sector. In this sense, the III ENAGE seeks to stimulate and expand the dissemination of Economic Geology.

As part of the event, the participation of our student chapter was in the organization of Programming and Content where the themes, lectures, schedules, costs of activities and all the transportation of speakers were cataloged and executed, in addition to acting in the General Coordination in order to lead participating commissions.

3 FUTURE PLANS

The plans for our chapter include the organization of internal courses (for members only) such as a short course on Datamining Software, Arcgis, Surfer, Leapfrog Geo, and others.

Regarding the events, we will work on the organization of the 4th Economic Geology Week, which should take place in the in April 2023. We are planning the next field trip supported by the SEG Stewart R. Wallace Fund, to the Campo Formoso Complex, in the north of Bahia (Brazil), but still no prediction to occur.